Title: Systems and Computer Software Products for Gene Expression Analysis Inventor: Liu et al. Attorney Docket No. 3298.1 Sheet 1 of 8

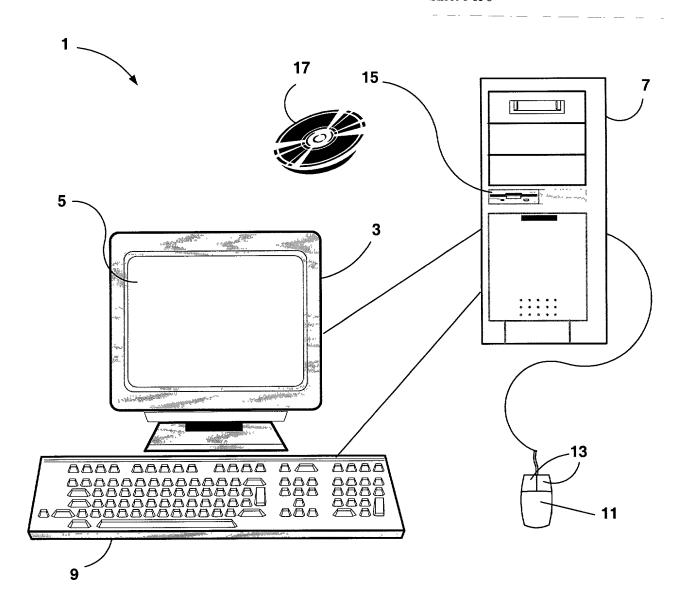


Figure 1

Title: Systems and Computer Software Products for Gene Expression Analysis

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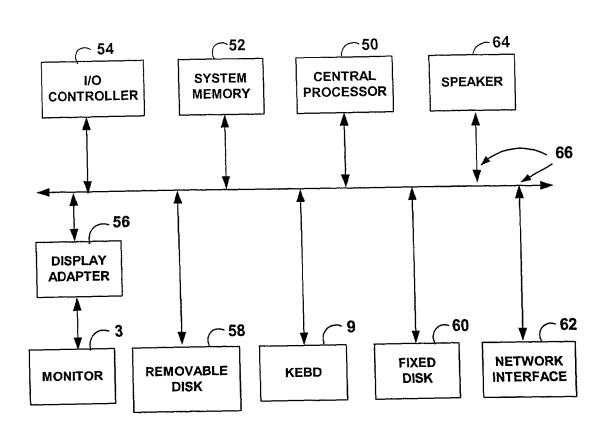
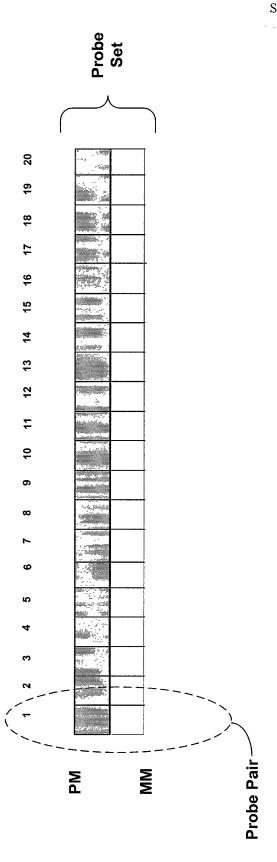


Figure 2

Title: Systems and Computer Software Products for Gene Expression Analysis Inventor: Liu et al. Attorney Docket No. 3298.1 Sheet 3 of 8



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Attorney Docket No. 3298.1

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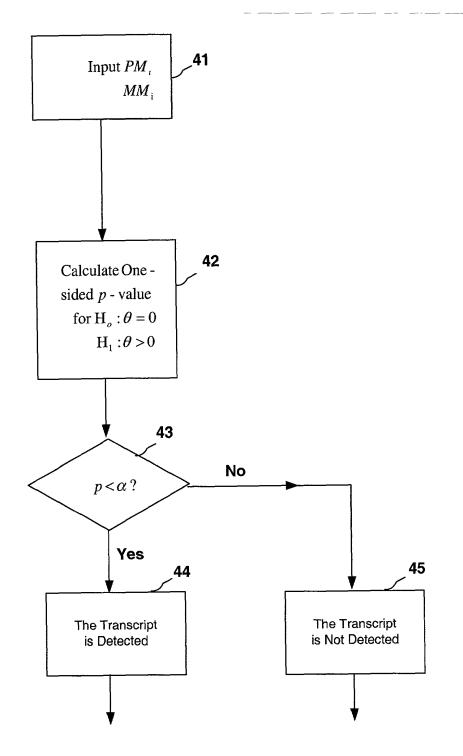


Figure 4

Inventor: Liu et al. Attorney Docket No. 3298.1 Sheet 5 of 8 51 Read Data Files Calculate Threshold 52  $\tau$ Calculate one-sided 53 p-value  $median(PM_i - MM_i) > \tau$ 54 55 Yes Detected  $p < \alpha_1$ No 56 57 Yes Marginal  $p < \alpha_2$ No 58 Undetected Figure 5

Title: Systems and Computer Software Products for Gene Expression Analysis

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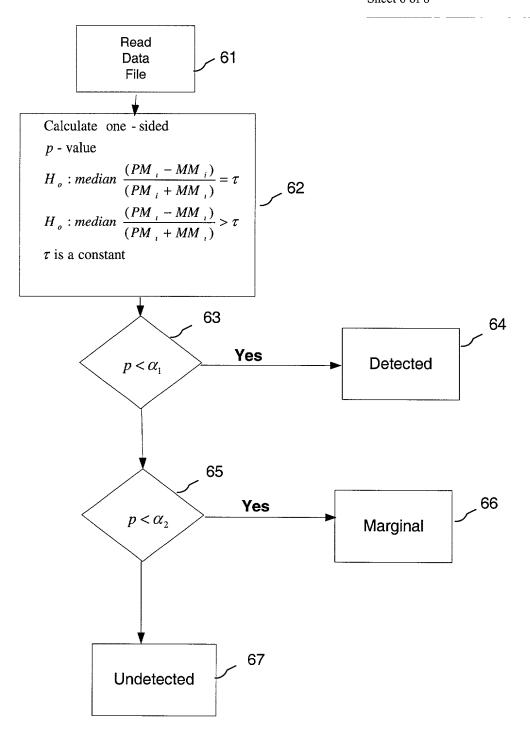
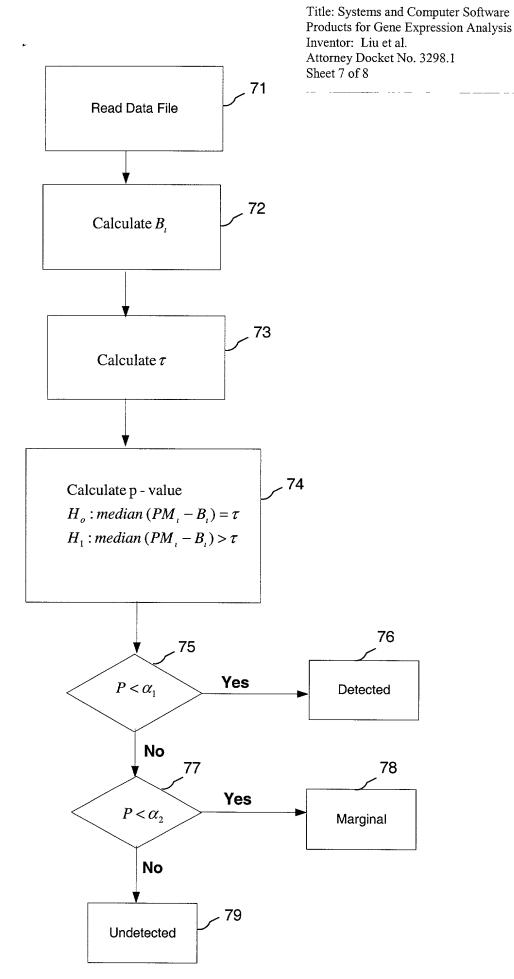


Figure 6

Figure 7



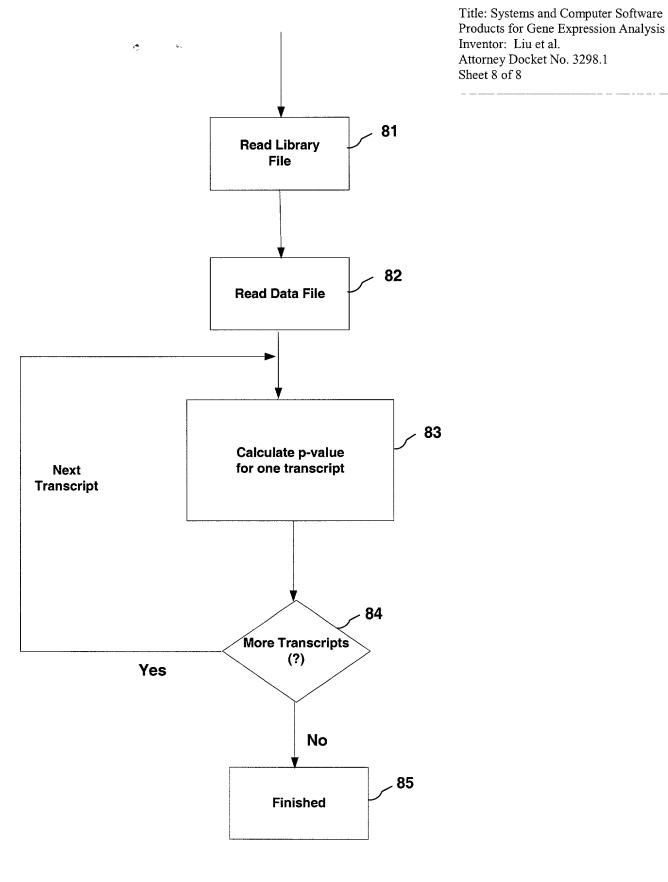


Figure 8